

DEPARTMENT OF LABOR & ECONOMIC GROWTH

DIRECTOR'S OFFICE

CONSTRUCTION CODE

Filed with the Secretary of State on  
These rules take effect

(By authority conferred on the director of the department of labor and economic growth by section 4 of 1972 PA 230, MCL 125.1504, and Executive Reorganization Order Nos. 1996-2 and 2003-18, MCL 445.2001 and 445.2011)

R 408.30446 and R 408.30546 of the code are amended to read as follows:

PART 4. BUILDING CODE

R 408.30446 **Smoke alarm locations.**

Rule 446. Sections 907.2.10.1.2.1 and 907.2.10.1.2.2 are added to the code as follows:

**907.2.10.1.2.1 Smoke alarm locations in existing buildings constructed before November 6, 1974. Within each dwelling unit or sleeping unit, a single-station smoke alarm shall be installed in the following locations:**

- 1. In each sleeping room or each area directly outside the sleeping room.**
- 2. On each floor level including the basement level.**

**For sleeping units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than 1 full story below the upper level.**

**Section 907.2.10.1.2.2 Equipment requirements.**

**907.2.10.1.2.2. The required equipment for smoke alarms shall consist of the following:**

**1. Installation. Smoke alarm devices shall be listed and installed in accordance with the manufacturer's installation requirements, the provisions of the code and the provisions of NFPA 72, which is adopted by reference in these rules. The standard is available for inspection at the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety, 2501 Woodlake Circle, Okemos, Michigan, 48864, or from NFPA, 1 Batterymarch Park, Quincy, MA, 02269-9101, at a cost as of the time of adoption of these amendatory rules of \$48.00.**

**2. Power Source. The equipment shall be operable by power from 1 of the following primary sources:**

- a. The building wiring provided the wiring is served from a commercial source and is equipped with a battery backup. Wiring shall be permanent and without a disconnecting switch other than as required for overcurrent protection.**
- b. A non-rechargeable battery able to power the smoke alarm in the normal condition for a life of 5 years.**
- c. A rechargeable battery, with proper charging, able to power the alarm for a life of 5 years.**

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d. A commercial use alarm system with battery backup listed and approved in accordance with the commercial fire warning equipment provisions of NFPA 72, as adopted by reference in this rule.

3. Audible Alarm Notification. The activation of the alarm signal shall produce a sound that is audible in all occupiable dwelling areas.

4. Testing and Maintenance. The owner of a dwelling unit, in which required or optional fire detection or fire protection systems equipment is installed, shall be responsible for the proper operation, testing, and maintenance of the equipment in accordance with the manufacturer's instructions included with the equipment. The occupant of rental dwelling units shall be responsible for the periodic operational testing and periodic cleaning of the installed equipment within the rental unit in accordance with the testing instructions provided in the manufacturer's instructions for the equipment. If the system fails, breaks, or is out of service, it shall be repaired and functional within 30 days.

R 408.30546

Rule 546. Sections R313.3 and R313.4 are added to the code as follows:

**R313.3. Smoke alarm locations in existing buildings constructed before November 6, 1974.** Within each dwelling unit or sleeping unit, a single-station smoke alarm shall be installed in the following locations:

1. In each sleeping room or each area directly outside the sleeping room.
2. On each floor level including the basement level.

For sleeping units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than 1 full story below the upper level.

**R313.4. Equipment requirements.** The required equipment for smoke alarms shall consist of the following:

1. Installation. Smoke alarm devices shall be listed and installed in accordance with the manufacturer's installation requirements, the provisions of the code and the provisions of NFPA 72, which is adopted by reference in these rules. The standard is available for inspection at the Michigan Department of Labor & Economic Growth, Bureau of Construction Codes and Fire Safety, 2501 Woodlake Circle, Okemos, Michigan, 48864, or from NFPA, 1 Batterymarch Park, Quincy, MA, 02269-9101, at a cost as of the time of adoption of these amendatory rules of \$48.00.

2. Power Source. The equipment shall be operable by power from 1 of the following primary sources.

a. The building wiring provided that such wiring is served from a commercial source and is equipped with a battery backup. Wiring shall be permanent and without a disconnecting switch other than as required for overcurrent protection.

b. A non-rechargeable battery that is capable of operating the smoke alarm in the normal condition for a life of 5 years.

c. A rechargeable battery, with proper charging, able to power the alarm for a life of 5 years and shall be automatically recharged by an AC circuit of the commercial light and power source.

d. A household use alarm system with battery backup listed and approved in accordance with the household fire warning equipment provisions of NFPA 72, as referenced in Section R313.4 of the code.

**3. Audible Alarm Notification.** The activation of the alarm signal shall produce a sound that is audible in all occupiable dwelling areas.

**4. Testing and Maintenance.** The owner of a dwelling unit, in which required or optional fire detection or fire protection systems equipment is installed, shall be responsible for the proper operation, testing, and maintenance of the equipment in accordance with the manufacturer's instructions included with the equipment. The occupant of rental dwelling units shall be responsible for the periodic operational testing and periodic cleaning of the installed equipment within the rental unit in accordance with the testing instructions provided in the manufacturer's instructions for the equipment. If the system fails, breaks, or is out of service, it shall be repaired and functional within 30 days.